

See *Molding apparatus for plastics and rubbers*

Molding machines

See *Molding apparatus*

Molding of ceramics

See also narrower:

Molding of glass
Molding of refractories

See also related:

Ceramics

Molds (forms)

Molding of glass

Molding of plastics and rubbers

See also related:

Casting of polymeric materials
Molded plastics
Molding apparatus for plastics and rubbers
Parting materials
Stereolithography
Welding of plastics

Molding of polymeric materials

Valid heading during volumes 126–130 (1997–June 1999) only

See *Molding of plastics and rubbers*

Molding of refractories

See also related: *Refractories*

Molding of rubbers

See *Molding of plastics and rubbers*

Molding sand

See also related:

Binders
Casting of metals
Mold cores
Molding
Molds (forms)
Sand

Moldosil ED

See *Polysiloxanes*

Moldosil UND 150

See *Polysiloxanes*

Moldotan

See also *Polyurethanes*

Moldotan BG 40T

See *Urethane rubber, adipic acid–butanediol–dibenzyl diisocyanate–ethylene glycol, block*

Moldotan D

See *Urethane rubber, polyester–*

Mold powders

Valid heading during volumes 126–130 (1997–June 1999) only

See *Fluxes, casting*

Molds (forms)

See also narrower: *Mold cores*

See also related:

Casting process
Dies
Molding
Molding of ceramics
Molding sand
Parting materials
Plaster

Mold-X

See *Benzoic acid, compounds, mixt. with acetic acid, (2E,4E)–2,4–hexadienoic acid and propanoic acid (80050–17–5)*

Mole (animal)

Studies of moles as a group are indexed at this heading. More specific studies are indexed at the genus–species names

MOLE (molecular optics laser examination)

See *Raman spectroscopy, microprobe*

Mole cricket

See *Gryllotalpidae*

Molecular association

The association of molecules by means other than covalent, coordination or ionic bonding is indexed here. Covalent, coordination or ionic bonds are indexed at *Bond*, *Double bond*, and *Pi bond*; and the formation of these bonds is indexed at such headings as *Addition reaction*, *Bond formation*, *Complexation*, *Dimerization*, and *Polymerization*

See also narrower:

Conjugation (molecular association)

Self-assembly

Self-association

See also related:

Association enthalpy
Association entropy
Bond
Bond formation
Charge transfer complexes
Complexation
Coordination (structure)
Denaturation
Dimers
Disassociation
Exciplex
Hydrogen bond
Molecular recognition
Molecules
Quasimolecules
Renaturation
Supramolecular structure
Tetramers
Trimers
Van der Waals complexes

Molecular beam epitaxy

See also narrower: *Metalorganic molecular beam epitaxy*

See also related:

Chemical beam epitaxy
Migration–enhanced epitaxy
Molecular beam epitaxy apparatus
Molecular beams

Molecular beam epitaxy apparatus

See also related: *Molecular beam epitaxy*

Molecular beams

See also related:

Atomic beams
Ion beams
Molecular beam epitaxy
Molecular collisions
Molecules

Molecular biology

Valid heading during volumes 126–130 (1997–June 1999) only

See *Biology, mol.*

Molecular centrifugal distortion

See *Centrifugal distortion*

Molecular chaperones

See *Chaperonins*

Molecular cloning

See also related:

Genetic selection
Phage display
Recombination, genetic

Molecular clouds

See *Nebulas*

Molecular collisions

See also related:

Collisional energy transfer
Ionic collisions
Ionization
Molecular beams
Molecular dynamics
Molecules

Reactive scattering

Molecular computers

See *Computers, quantum*

Molecular configuration

See *Configuration*

Molecular connectivity index

See

Molecular structure–property relationship
Molecular topology
QSAR (structure–activity relationship)
Structure–activity relationship

Molecular crystals

See also related: *Molecules*

Molecular diagnosis

Valid heading during volumes 129–130 (July 1998–June 1999) only

See *Diagnosis, mol.*

Molecular dynamics

See also narrower:

Molecular orientation
Molecular rotation
Molecular vibration

See also related:

Coriolis effect
Curve crossing model
Heavy atom effect
Molecular collisions
Molecules
Potential energy surface
Reactive scattering

Molecular dynamics simulation (biological)

Valid heading during volumes 126–130 (1997–June 1999) only

See *Simulation and Modeling, biological, mol. dynamics*

Molecular dynamics simulation (physicochemical)

Valid heading during volumes 126–130 (1997–June 1999) only

See *Simulation and Modeling, physicochemical, mol. dynamics*

Molecular electric field

See also related: *Molecules*

Molecular electronic devices

Devices based on molecular components as self-contained electronic elements, including electronically operated biochip computers, are indexed here

See also related:

Molecular electronics
Semiconductor devices

Molecular electronics

See also related:

Conducting polymers
Integrated circuits
Langmuir–Blodgett films
Molecular electronic devices

Molecular epidemiology

Valid heading during volumes 126–130 (1997–June 1999) only

See *Epidemiology, mol.*

Molecular evolution

Valid heading during volumes 126–130 (1997–June 1999) only

See *Evolution, mol.*

Molecular fossils

See *Biomarkers (molecular fossils)*

Molecular genetics

Valid heading during volumes 126–130 (1997–June 1999) only

See *Genetics, mol.*

Molecular heat capacity

See *Heat capacity*

Molecular integral

See also related:

Atomic integral
Atomic orbital
Matrix elements (quantum mechanics)
Molecular orbital
Oscillator strength

Molecular libration

See also related: *Molecular rotation*

Molecular mechanics

Methods based on empirical force–field calculations are indexed here. The dynamics of molecules is indexed at such headings as *Molecular beams*, *Molecular dynamics*, *Molecular rotation*, and *Molecular vibration*

See also related:

Force constant
Molecular modeling
Molecular vibration
Normal modes

Molecular migration

See

Isomerization
Rearrangement

Molecular modeling

See also related:

Computer application

Molecular mechanics

Molecular structure

QSAR (structure–activity relationship)

Molecular optics laser examination

See *Raman spectroscopy, microprobe*

Molecular orbital

See also narrower:

FMO (molecular orbital)
HOMO (molecular orbital)
LUMO (molecular orbital)
Natural bond orbital
SOMO (molecular orbital)

See also related:

Atomic orbital
Basis sets
Bond
Bond order
Energy level
Molecular integral
Molecular orbital methods
Nuclear model

Molecular orbital methods

See also narrower:

AM1 MO (molecular orbital)
CASSCF (molecular orbital)
CNDO (molecular orbital)
Coupled cluster
HF MO (molecular orbital)
HMO (molecular orbital)
IGLO (molecular orbital)
INDO (molecular orbital)
Ligand field theory
MCSCF (molecular orbital)
MINDO (molecular orbital)
MNDO (molecular orbital)
Møller–Plesset perturbation theory
PPP (molecular orbital)

See also related:

Ab initio methods
Density functional theory
Molecular orbital
Valence bond theory

Molecular orientation

See also narrower: *Molecular reorientation*

See also related:

Liquid crystals
Liquid structure
Oriental distribution function
Oriental order
Steric effects

Molecular polymorphism

See *Tautomers*

Molecular rearrangement

See *Rearrangement*

Molecular recognition

See also narrower: *Chiral recognition*

See also related: *Molecular association*

Molecular reorientation

See also related: *Oriental order*

Molecular rotation

See also narrower: *Internal rotation*

See also related:

Centrifugal distortion
Molecular libration
Rotational barrier
Rotational spectra
Rotational state
Rotational transition
Roton
Spectra
Spin–rotation coupling

Molecular shape

See also related:

Molecular surface
Molecular topology

Molecular shape analysis

See *Molecular shape*

Molecular sieves

See also related:

Adsorbents
Ceramics
Chromatography
Zeolites (synthetic)

Molecular structure

See also narrower:

Bond
Chemical chains
Molecular shape
Molecular structure, natural product
Molecular surface
Molecular topology
Quaternary structure
Ring

See also related:

Bond length
Centrifugal distortion
Chemical formula
Chirality
Cluster structure
Configuration
Coordination (structure)
Coordination number
Crosslink density
Crystal structure
Electronic structure
Homologous series
Molecular modeling
Molecular structure determination methods
Molecular structure–property relationship
Molecules
QSAR (structure–activity relationship)
Solvation number
Space groups
Structural relaxation
Structure–activity relationship
Supramolecular structure
Tautomers
Transition state structure

Molecular structure, natural product

Structures of organic natural products which have been established in whole or in part, are indexed here